

### **Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-97 (canceled)

98. (currently amended) An isolated nucleic acid molecule comprising a nucleic acid encoding the polypeptide of SEQ ID NO: 17, wherein said polypeptide of SEQ ID NO: 17, when fused with the transmembrane domain and intracellular domain of the Rse tyrosine kinase receptor, is effective to activate phosphorylation by said Rse tyrosine kinase receptor upon ligand-induced dimerization.

99. (previously presented) The isolated nucleic acid molecule of claim 98 encoding the polypeptide of SEQ ID NO: 17.

100. (previously presented) A vector comprising the nucleic acid of claim 98.

101. (previously presented) An isolated host cell comprising the vector of claim 100.

102. (previously presented) A process for producing a GFR $\alpha$ 3 polypeptide comprising culturing the host cell of claim 101 under conditions suitable for expression of said polypeptide and recovering said polypeptide from the cell culture.